

## INTERNATIONAL SEARCH REPORT

Inten	Application No
PCT/	03/04595

A. CLASSIFICATION OF SUBJECT MATTER	
IPC 7	G02B15/00
G02B3/14	

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/017985 A1 (NOTO GORO ET AL) 30 August 2001 (2001-08-30) cited in the application paragraphs '0121!, '0139!, '0140!; figures 13,15 -----	1
A	US 6 369 954 B1 (BERGE BRUNO ET AL) 9 April 2002 (2002-04-09) column 3, line 1 - line 52; figure 1 column 5, line 28 - line 64; figure 6 column 5, line 65 -column 7, line 15 -----	1
P,A	WO 03 069380 A (SNOEREN RUDOLPH M ;KUIPER STEIN (NL); FEENSTRA BOKKE J (NL); HENDR) 21 August 2003 (2003-08-21) page 6, line 17 -page 8, line 2; figure 4 -----	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

14 January 2004

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22/01/2004

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2001017985	A1	30-08-2001	JP	2001228307 A		24-08-2001
			JP	2001249282 A		14-09-2001
US 6369954	B1	09-04-2002	FR	2769375 A1		09-04-1999
			AT	214164 T		15-03-2002
			CA	2306249 A1		15-04-1999
			DE	69804119 D1		11-04-2002
			DE	69804119 T2		28-11-2002
			EP	1019758 A1		19-07-2000
			ES	2171041 T3		16-08-2002
			WO	9918456 A1		15-04-1999
			JP	2001519539 T		23-10-2001
WO 03069380	A	21-08-2003	WO	03069380 A1		21-08-2003